



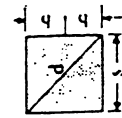
Local Project Administration

Certification Course Manual & Reference Guide

February 2005

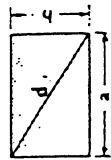
**Miscellaneous Exhibits
and Presentations**

TABLE XVI-37—AREAS OF PLANE FIGURES



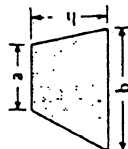
Square

Diagonal = $d = s\sqrt{2}$.
 Area = $s^2 = 4b^2 = 0.5d^2$.
 Example. $s = 6$; $b = 3$. Area = $(6)^2 = 36$ Ans.
 $d = 6 \times 1.414 = 8.484$ Ans.



Rectangle and Parallelogram

Area = ab or $b\sqrt{d^2 - b^2}$.
 Example. $a = 6$; $b = 3$.
 Area = $3 \times 6 = 18$ Ans.



Trapezoid

Area = $\frac{1}{2}h(a + b)$.
 Example. $a = 6$; $b = 4$; $h = 3$.
 Area = $\frac{1}{2} \times 3(6 + 4) = 9$ Ans.



Trapezium

Area = $\frac{1}{2}[a(h + h') + b(h + h')]$.
 Example. $a = 4$; $b = 2$; $c = 2$; $h = 3$; $h' = 2$.
 Area = $\frac{1}{2}[4(3 + 2) + 2(2 \times 2) + (2 \times 2)] = 16$.
 Ans.

Triangles

Both formulas apply to both figures

Area = $\frac{1}{2}bh$.
 Example. $h = 3$; $b = 5$.
 Area = $\frac{1}{2}(3 \times 5) = 7\frac{1}{2}$ Ans.

Area = $\frac{\sqrt{S(S-a)(S-b)(S-c)}}{4}$ when $S = \frac{a+b+c}{2}$

Example. $a = 2$; $b = 3$; $c = 4$.

$$S = \frac{2+3+4}{2} = 4.5$$

Area = $\frac{\sqrt{4.5(4.5-2)(4.5-3)(4.5-4)}}{4} = 2.0$.
 Ans.

Regular Polygons

5 sides	$= 1.720477 S^2 = 3.83271 r^2$
6 "	$= 2.598160 S^2 = 3.46410 r^2$
7 "	$= 3.639876 S^2 = 3.37101 r^2$
8 "	$= 4.828327 S^2 = 3.31968 r^2$
9 "	$= 6.181876 S^2 = 3.27673 r^2$
10 "	$= 7.694260 S^2 = 3.24920 r^2$
11 "	$= 9.366876 S^2 = 3.23393 r^2$
12 "	$= 11.196300 S^2 = 3.21630 r^2$

n = number of sides; r = short radius;

S = length of side; R = long radius.

$$\text{Area} = \frac{n}{4} S^2 \cot \frac{180^\circ}{n} = \frac{n}{2} R^2 \sin \frac{360^\circ}{n}$$

$$= nr^2 \tan \frac{180^\circ}{n}$$

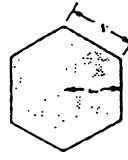


TABLE XVI-37 (continued)

Circle

$\pi = 3.1416$; A = area; d = diameter; p = circumference or periphery; r = radius.

$p = \pi d = 3.1416d$. $p = 2\sqrt{\pi A} = 3.64\sqrt{A}$

$p = 2\pi r = 6.2832r$. $p = \frac{2A}{r} = \frac{4A}{d}$

$d = \frac{p}{\pi} = \frac{p}{3.1416}$ $d = 2\sqrt{\frac{A}{\pi}} = 1.128\sqrt{A}$

$r = \frac{p}{2\pi} = \frac{p}{6.2832}$ $r = \sqrt{\frac{A}{\pi}} = 0.564\sqrt{A}$

$A = \frac{\pi d^2}{4} = 0.7854d^2$ $A = \frac{p^2}{4\pi} = \frac{p^2}{12.57}$

$A = \pi r^2 = 3.1416r^2$ $A = \frac{p^2}{2} = \frac{p^2}{4}$

Circular Ring

Area = $\pi(R^2 - r^2) = 3.1416(R^2 - r^2)$

Area = $0.7854(D^2 - d^2) = 0.7854(D - d)(D + d)$

Area = difference in areas between the inner and outer circles.

Example. $R = 4$; $r = 2$.

Area = $3.1416(4^2 - 2^2) = 37.0092$ Ans.

Quadrant

Area = $\frac{\pi r^2}{4} = 0.7854r^2 = 0.3927c^2$.

Example. $r = 3$. c = chord.

Area = $.7854 \times 3^2 = 7.0686$ Ans.

Segment

b = length of arc. θ = angle in degrees

c = chord = $\sqrt{4(r^2 - h^2)}$

Area = $\frac{1}{2}(br - c(r - h))$

$= \pi r^2 \frac{\theta}{360} - \frac{c(r - h)}{2}$

When θ is greater than 180° then $\frac{c}{2} \times$ difference between r and h is added to the fraction $\frac{\pi r^2 \theta}{360}$

Example. $r = 3$; $\theta = 120^\circ$; $h = 1.5$

Area = $3.1416 \times 3^2 \times \frac{120}{360} - \frac{6.196(3 - 1.5)}{2}$

$= 5.5278$ Ans.

Sector

Area = $\frac{br}{2} = \pi r^2 \frac{\theta}{360}$

θ = angle in degrees; b = length of arc.

Example. $r = 3$; $\theta = 120^\circ$

Area = $3.1416 \times 3^2 \times \frac{120}{360} = 9.4248$ Ans.

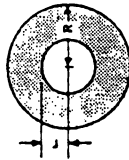
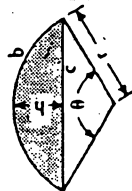
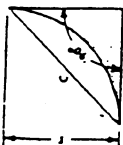


EXHIBIT -1.

TABLE XVI-37 (continued)



Spandrel
Area = $0.2146r^2 = 0.1073c^2$
Example, $r = 3$
Area = $0.2146 \times 3^2 = 1.9314$. Ans

Parabola

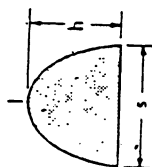
l = length of curved line = periphery — s
 $l = \frac{\pi^2}{8h} [\sqrt{c(1+c)} + 2.0920 \times \log(\sqrt{c+1} + \sqrt{1+c})]$

in which $c = (\frac{4h}{s})^2$

Area = $\frac{2}{3} sh$

Example, $s = 3$; $h = 4$

Area = $\frac{2}{3} \times 3 \times 4 = 8$. Ans.



Ellipse

Area = $\pi ab = 3.1416ab$

Circum. = $2\pi \sqrt{\frac{a^2 + b^2}{2}}$ (close approximation)

Example, $a = 3$; $b = 4$.

Area = $3.1416 \times 3 \times 4 = 37.6992$. Ans.

Circum. = $2 \times 3.1416 \sqrt{\frac{(3)^2 + (4)^2}{2}}$

= $6.2832 \times 3.5355 = 22.21$ Ans.

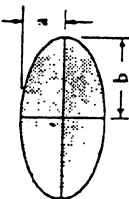
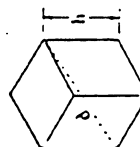


TABLE XVI-38—VOLUME AND SURFACE AREA OF SOLIDS

Symbols

V = Volume
 S = Lateral Surface Area
 T = Total Surface Area
 B = Area of Base
 P = Perimeter Perpendicular to Sides
 P_b = Perimeter of Base
 A = Area of Section Perpendicular to Sides
 l = Lateral Length
 h = Perpendicular Height
 d = Diagonal Length

Cube

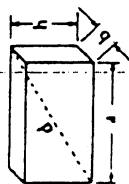


$V = h^3$
 $T = 6h^2$
 $S = 4h^2$
 $d = h\sqrt{3}$

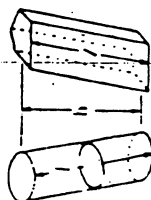
TABLE XVI-38 (continued)

Rectangular Prism

$V = abh$
 $T = 2(ab + ah + bh)$
 $S = 2(ah + bh)$
 $d = \sqrt{a^2 + b^2 + h^2}$



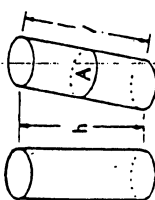
Prism or Cylinder, Right or Oblique, Parallel Ends



$V = Al$
 $S = Pl$
 $T = Pl + 2B$

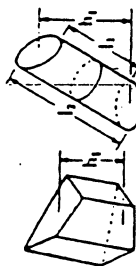
(Note $A = B$, $P = P_b$ and $l = h$ for right cylinders and prisms)

Cylinder, Right or Oblique, Circular or Otherwise, Parallel Ends



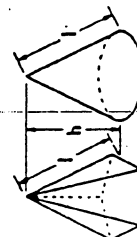
$V = Bh$ (Right Cylinder)
 $V = Al$ (Oblique Cylinder)
 $S = Pl$ (Right Cylinder)
 $S = Pl$ (Oblique Cylinder)
 $T = P_b h + 2B$ (Right Cylinder)
 $T = Pl + 2B$ (Oblique Cylinder)

Frustum of Prism or Cylinder



$V = Bh_1$ (where h_1 is perpendicular height from base to c.g. of top)
 $c.g.$ for cylinder
 $V = \frac{A}{2}(l_1 + l_2)$

Pyramid or Cone, Right and Regular



$V = \frac{Bh}{3}$
 $S = \frac{P_b l}{2}$
 $T = \frac{P_b l}{2} + B$

Pyramid or Cone, Right or Oblique, Regular or Irregular



$V = \frac{Bh}{3}$

TABLE XVI-38 (continued)

Frustum of Pyramid or Cone, Right and Regular, Parallel Ends

$$V = \frac{h}{3}(B + B_1 + \sqrt{BB_1})$$

$$S = \frac{1}{2}(P_1 + P_2)$$

$$T = \frac{1}{2}(P_1 + P_2) + B + B_1$$

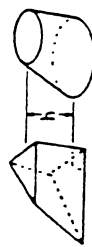
where: B_1 = Area of Top
 P_1 = Perimeter of Top



Frustum of Any Pyramid or Cone, Parallel Ends

$$V = \frac{h}{3}(B + B_1 + \sqrt{BB_1})$$

where: B_1 = Area of Top



Wedge, Regular

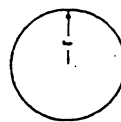
$$V = \frac{ch}{6}(2a + b)$$



Sphere

$$V = \frac{4\pi r^3}{3}$$

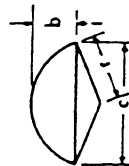
$$S = 4\pi r^2$$



Spherical Sector

$$S = \frac{1}{2}\pi r(4b + c)$$

$$V = \frac{2}{3}\pi r^2 b$$



Spherical Segment

$$S = 2\pi r b = \frac{1}{3}\pi(4b^2 + c^2)$$

$$V = \frac{1}{3}\pi b(3r - b)$$

$$= \frac{1}{24}\pi b(3c^2 + 4b^2)$$

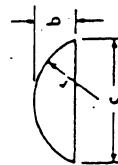


TABLE XVI-38 (continued)

Spherical Zone

$$S = 2\pi r b$$

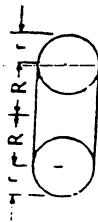
$$V = \frac{1}{24}\pi b(3a^2 + 8c^2 + 4b^2)$$



Circular Ring

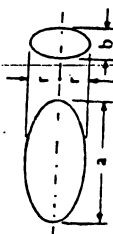
$$S = 4\pi^2 R r$$

$$V = 2\pi^2 R r^2$$



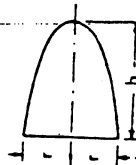
Ellipsoid

$$V = \frac{1}{6}\pi a b c$$



Paraboloid

$$V = \frac{1}{2}\pi r^2 h$$



Maine Department of Transportation - Construction Division

Daily Report of Extra Work

Town: _____

Project Number: _____

Contractor: _____

Report Number: _____

Authorization: _____

Day of Week: _____

Date: _____

LABOR:

Item No.	Class	Rate	Time	Total
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
TOTAL				\$0.00

EQUIPMENT RENTAL

Item No.	Type	Rate	Time	Total
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
TOTAL				\$0.00

MATERIAL

Quantity	Kind	Rate	Total
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
TOTAL			\$0.00

SUMMARY

Total Labor	\$0.00
Total Equipment	\$0.00
Total Material	\$0.00
Total This Report	\$0.00
Previously Reported	
TOTAL TO DATE	\$0.00

REMARKS:

Approved: _____

Contractor's Representative

Approved: _____

Resident

H/CONS0/FORMS FOR OLD APPROACH

Maine Department of Transportation - Construction Division

Weekly Flagger Report

Project No.: _____

Report No.: _____

Town: _____

Week Ending: _____

MONDAY

Date: _____

Name	Lunch	Start	End	M.H.
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00

DAILY TOTAL 0.00

TUESDAY

Date: _____

Name	Lunch	Start	End	M.H.
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00

DAILY TOTAL 0.00

WEDNESDAY

Date: _____

Name	Lunch	Start	End	M.H.
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00

DAILY TOTAL 0.00

THURSDAY

Date: _____

Name	Lunch	Start	End	M.H.
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00

DAILY TOTAL 0.00

FRIDAY

Date: _____

Name	Lunch	Start	End	M.H.
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00

DAILY TOTAL 0.00

SATURDAY

Date: _____

Name	Lunch	Start	End	M.H.
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00

DAILY TOTAL 0.00

WEEK'S TOTAL= 0.00 HOURS

(Contractor's Representative)

(MDOT Representative)

H/CONS O/FORMS FOR OLD APPROACH

Item History to Date

Maine Department of Transportation

02-14-2002 1:00 PM

FieldManager 3.1d

Contract: 009439.00, KOSSUTH TWP - TOPSFIELD

Item Description									
GR TP 3B -4.5M RAD OR LESS									
Item Code		Prop. Line		Unit		Type		Unit Price	
606.21		0270		M		RIGINAL ITEM		30.95000	
Auth. Quantity		Auth. Amount		Quantity Placed		Quantity Paid		Quantity Unpaid	
20.000		619.00		30.000 ✓		30.000		0.000	
Subcontractor						Item Completed			
PENOBSCOT FENCE CO.						Yes			

Documentation		Attention		Notes	
Item Completed		No			

Projects And Categories

Project	Project Description	Catg	Category Description	Authorized Quantity	Pending Changes	Quantity Placed	Quantity Paid	Quantity Unpaid
009439.00	KOSSUTH	0001	HIGHWAY ITEMS	20.000	0.000	30.000	30.000	0.000

Posting

IDR Date	Inspector	Seq No	Project	Catg	Quantity Posted	Location	Bkdn ID	Entry Date	Attn	Remarks
10-15-2001	REL Robbin E Lanpher	1	009439.00	0001	7.620	Sta 1+184 to Sta 1+187 Left		10-24-2001	No	Guardrail installed and adjusted as per plans and specifications. Measured in the field and Comp by REL in Construction Book #2, page 22.
10-16-2001	REL Robbin E Lanpher	1	009439.00	0001	7.620	Sta 3+678 Left		10-16-2001	No	Guardrail installed as per plans and specifications. Measured in the field and comp in Construction Book #2, page 22 by REL.
10-16-2001	REL Robbin E Lanpher	1	009439.00	0001	7.620	Sta 3+776 Left		10-16-2001	No	Guardrail installed as per plans and specifications. Measured in the field and Comp in Construction Book #2, page 22 by REL.
10-17-2001	REL Robbin E Lanpher	1	009439.00	0001	7.620	Sta 6+015 Left		10-24-2001	No	Guardrail installed as per plans and specifications. Measured in the field and noted in Construction Book #2, page 22 by REL.
11-30-2001	REL Robbin E Lanpher	1	009439.00	0001	-0.480	Enlire Project		11-30-2001	No	4.5M radius or less guardrail rounded to nearest 1.00 M as per Maine State DOT requirements. Measured & Comp by REL.

Contract: 009439.00

GR TP 3B -4.5M RAD OR LESS

EXHIBIT -4.

Item History to Date

02-14-2002 1:00 PM
FieldManager 3.1d

Maine Department of Transportation

Payment

Est No	Estimate Date	Project	Category	Voucher Number	Quantity Paid	Dollar Value
11	11-09-2001	009439.00	0001	11	30.480	943.36
12	01-10-2002	009439.00	0001	12	-0.480	-14.86
					30.000	\$928.50

Contract: 009439.00

GR TP 3B -4.5M RAD OR LESS

203120

Common Excavation

PLAN QUANTITY AGREED TO, PER
LETTER FROM SHAW BROS. (SEE
FQCB, 203.20) ENGINEER'S ESTI

78,700 M³

FROM	EGGB, 203, 20:
------	----------------

SHEET.

-	14,021.5	M ³
---	----------	----------------

FROM Book 7 Pg. 2

43,91 M³

From	Bank 7	Page
------	--------	------

925M³

Row	7	2
-----	---	---

32	3M3
----	-----

[illegible]

	M3
--	----

WOB	
TOTAL	

Σ, 300, 0.1	67,147.2 M ³
-------------	-------------------------

	ENTRIES AND COMPS BY:
--	-----------------------

KMS 6-14-01

✓ 12m 6-13-01

Final Quantity = 67,147 M³

KMS 6-14-01

✓JRM 6-13-01

78700 M³ @ \$4.50

9

EXHIBIT - 5.

206.082

STRUCTURAL EARTH EXCAVATION
- MAJOR STRUCTURES

REF: BOOK 1 pg 7

6-19-01 Completed Str. Exc - Abut #2

- Excavated to Elev. on Plans

CFH 6-19-01 ✓

- Excavated 15'± Low by Contractor to Correct Construction

REF: BOOK 1 pg 10

- no cost to our CFH

6-19-01

6-27-01 Completed Str. Exc - Abut #1

- Excavated to Elev. shown on Plans

CFH 6-27-01 ✓

REF: RWO #1

- PAY PLAN ✓

QUANTITY FOR STR. EXCAVATION

PAY 125 M³ ✓

By CFH

7-11-01

FINAL PAY QUANTITY: 125.0 M³ ✓

Entered By: Gary Hurd

7-11-01

Jd By: J. Hurd 10/13/01

Est 125.0 M³

4.

EXHIBIT -6.

2)

304,10	AGGREGATE	SUBBASE COURSE
--------	-----------	----------------

This image shows a full page of blank graph paper. The grid consists of small squares formed by thin black lines. There are approximately 20 columns and 20 rows visible. A horizontal margin line is present near the top edge, and a vertical margin line is present near the left edge, creating a header area at the top-left. The rest of the page is filled with the grid pattern.

	- GRAVEL				
	PLAN QUANTITY AGREED TO, PER LETTER FROM SHAW BROS. (SEE FOCB, 304.10, & ENGINEER'S ESTIMATE)				
				✓ 17,120 M ³	
	FROM BOOK 7 PAGE 4			32,877 M ³	
	FROM FQCB, EWO # 8			254,800 M ³	
	TOTAL			17407.07 M ³	
	ENTRIES & COMPS BY KMS 6-8-01			✓ JAN 6-18-01	
	FINAL QUANTITY: 17407 M ³				
	KMS 6-8-01				
	✓ JAN 6-18-01				

(16)

8550 MG @ \$43.00

403.2071 PENDING DATE	SUPPLY MG	HMA CUM TOTAL	19.0 mm ASPH BY
✓ 8-8-00	929.91	01	Feigman
✓ 8-9-00	782.04	02	00-18-01
✓ 8-15-00	142.17	03	
✓ 8-22-00	13.66	04	
✓ 8-25-00	435.98	05	
✓ 8-28-00	718.34	06	Feigman
✓ 8-31-00	21.76	07	KMS 9-13-00
✓ 9-1-00	361.85	08	KMS 9-13-00
✓ 9-13-00	592.28	09	Feigman
✓ 9-19-00	887.55	10	00-18-01
19-20-00	186.72	11	
✓ 9-21-00	304.83	12	Feigman
9-29-00	9.68	13	Feigman 9-9-00
10-12-00	370.57	14	Paraschak 10-17-00
10-13-00	457.27	15	Paraschak 10-17-00
11-1-00	131.37	16	Feigman 11-17-00
11-6-00	108.88	17	" "
11-9-00	19.88	18	" "
11-13-00	8.50	19	Feigman 11-17-00
5-14-01	274.90	20	KMS 5-15-01
-	256.34	-	KMS 6-08-01
-	-	-	✓ JRM 6-18-01

FINAL QUANTITY = 6874.53 MG

KMS 6-18-01
✓ 102146-18-01

✓ JRM 6-15-01
REF: RWD #18

526.301

TEMPORARY CONCRETE BARRIER
TYPE I

REF: B-17-01 1 P3 353637

8-17-01 Set up Barriers to Block
Bridge.

CFH- 8-17-01

8-21-01 Remove Barriers & open
Road

PAID 10 LS
By CFH
8-21-01

FINAL PAY QUANTITY: 10 LS

Entered By: [Signature] 8-21-01
VU By: J. [Signature] 10/20/01

01 22

APPROVED FOR THE PROJECT

FINAL QUANTITY
BOOK

EXHIBIT 39

618-1901 SEEDING - PLANT QUANTITY - 2

8-20-01 - 33

REF	BOOK	1	AS	36	✓
8-20-01 -	Applied	5.0	units	of	
	lycto seed	method	#2		
	to	Control	Area	All	seeded
	done	as	per	moor	plus
	and	specification	all	per	
	Standards / Special	provisions			
	PAY	5.0	units	✓	
		Org	Unit		
		8-20-01			
FINAL	PAY	QUANTITY	5.0	units	
Entered	By	8-21-01			
sd	By	10/20/01			

FINAL QUANTITY
BOOK

EXHIBIT-11.

LS @ *54,323.85

634.16	HIGHWAY LIGHTING
--------	------------------

THIS	ITEM COMPLETE	AS OF	THIS DATE:
------	---------------	-------	------------

KMSurvey	11-1-00
----------	---------

Final Quantity = 100% LS

KMS 11-28-00

VMC (05-01

REF: DIARY ENTRIES, Book	10
--------------------------	----

PROJECT DIARY

TUESDAY 27 JUNE 2000 870 VERY HUM

SHAW BROS. 6:00 - 6:00
SAME FORCES PLUS 1 BACKHOE
AND 1 WATER TRUCK + SITE TRUCK

CONTR CONTINUED INSTALLING
DRAINAGE ON CONNECTOR RD.
COMPLETED 375' MIN MID BETWEEN
CB 36 & 37. STARTED & COMPLETED
375' MIN MID BETWEEN CB 37 & 39
AND INSTALLING CB'S 37 & 39
SEE DRAINAGE BOOK FOR DETAILS.

CONTR CONTINUED WORKING
ON CR-4 - EXC. FOR S.G.
CUT & CHANGED SLOPE ON RT SIDE
OF CR-4 AND MATCHED W/HWY
IN PM.

FLAKING & COMPACTING CORR.
BORROW IN FILL AREA OF THE
CONNECTOR RD - DEL SLIPS TAKEN

CONTR ALSO EXCAVATING
THE THOMPSON POINT CANN. RD
AND A SECTION OF THE CONNECTOR
RD O+4800± TO O+500± RT

CONTR CORRECTED MOST OF
THE DEFICIENCIES THEY WERE
INFORMED OF IN REGARDS TO
APPROACH SIGNS. THEY HAVE ORDERED
A FEW SIGNS THAT THEY NEED
ON SIDE STREETS.

CONTR NOTIFIED THAT THEY CAN
USE CLASS III RCP FOR THE 1520MM
PIPE INSTEAD OF CLASS I.

CONTR COMPLETED THE REMOVAL OF
CONE. SLOPS PROTECTION UNDER 295' BRUS
AT SIDE OF CONNECTOR RD. 3K1/11.

ANDREW GLIDDEN VISITED AND
INSPECTED REVISION CONTROL BY
PROJECT - OTHER THAN A FEW MINOR
NEEDS EVERYTHING OK.

M.D.O. T. FERGUSON, SILVER &
PACIFIC CHALK

2000
KMS

EXHIBIT - 12.

Daily Diary Report

07-03-2001 1:41 PM

FieldManager 3.1d

Maine Department of Transportation

Contract: 009439.00, KOSSUTH TWP - TOPSFIELD

Diary Date 06-25-2001	Day of Week Monday	Project / Resident Engineer Robbin E. Lanpher	
Author Robbin E Lanpher		Federal Project Number STP-9439(00)X	
Prime Contractor THE LANE CONSTRUCTION CORPORATION			
Entered By Robbin E Lanpher		Revised By REL, Robbin E Lanpher	Revision Date 07-03-2001 12:30 PM
			Revision No. 2
Sunrise	Sunset	Temperatures Low: °C High: °C	Weather
Comments << Ethan D Field >> Weather : sunny Comment : Refer to construction Book #3, page 13. Lane's construction on job site with grader and one roller to start finish grade. Lane's wanted MDOT to do acceptance testing for final grade but was notified that we would check their work but would NOT accept it until less than 48 hours from scheduled paving. Lane's notified MDOT that the grade of 3% would not leave any reclaim at the edge of travelled way and requested to use 2%. I authorized it as long as it would not add gravel significantly on the shoulder and as long as they maintained that slope through paving or the mix would run over. They agreed. I notified Lane's in the morning about drums and barricades that were down as well as moving a flagger array closer to their operation. They said it would be taken care of. Also the crosspipe trenches were getting rough and were requested to be shimmed today. At the end of the day nothing had been taken care of and so I notified Dick Boone that I would be docking Lane's for one day of traffic maintenance. Lane's water truck also broke down and so dust control was not being taken care of. They borrowed Emery Lee's water truck for the day and dust control was maintained and said another water truck would be coming no later than tomorrow. Emery Lee filling gravel at sta. 6+000 all day. The lifts were put in 8" lifts, graded and rolled with two rollers. Density tests would be done in the morning. Operations were completed by 6:45 and all equipment off the road. Drilling and Blasting Specialists were going to blast ledge from the beginning of the project but a pole in the middle of it held them up. Flaggers were sitting around doing nothing and so will not be paid for.			

Site Information

Site Number	Site Description	Days Charged	Contractor(s) Working	Hours Available	Hours Worked	Controlling Operations	Reason for Delays	Comments
00	COMPLETION DATE	N/A	Yes					

IDRs Dated 06-25-2001

Inspector's Name	IDR Seq. No.	Comments
EDF Ethan D Field	1	Refer to construction Book #3, page 13.

Daily Diary Report

Maine Department of Transportation

07-03-2001 1:41 PM

FieldManager 3.1d

Contractor/Subcontractor Information

Contractor/Subcontractor's Name	Personnel	No.	Equipment	No.
DRILLING & BLASTING ROCK SPECIALISTS	Driller/Blaster	1	Drill	1
	Laborer	1	Pickup	2
	Superintendant	1	Rubber Mats	6
EMERY LEE & SONS, INC.	Grader Operator	1	Belly Dumper	2
	Laborers	2	Dump Truck	2
	Loader Operator	1	Front End Loader	1
	Reclaimer Operator	1	Grading Machine	2
	Roller Operator	3	Mulcher	1
	Track Exc./Grader Operator	1	Reclaimer	1
			Roller	3
	Truck Drivers	5	Track Excavator	1
			Water Truck	1

THE LANE CONSTRUCTION CORPORATION

Signature: _____

Robbin E Lanpher

TRIM 610.08 - FARM RIVER

TRIM 203.21 - ROCK EXC.

CUTS' REMOVED CONCRETE
SLOPE PROTECTION UNDER BRIDGES
ON ALIMP CS-6 - AT BOTH
ABUTMENTS, BOTH SIDES MEASURED
AND FOUND TO BE EQUAL

CUTS' PLACED 1210 RIVER AT
LOW POINT OF TRANSITION POINT
TEMP CONN. RD - RT.
3.35 X 2.44 X 0.46 = 3.76 M³

$$(7.8 \times 12.4) + (2.0 \times 3.0) \times 100 \times 2$$
$$= 17.42 \text{ m}^3$$

Notes:
No FILLING NEEDED. (TRIMING)
RM. & CURB CUT JIN FILLING - 2/4/60
KMS 1-16-01

FILL ON FILLING & PAVING
CUTS ON FILLING & PAVING
KMS 1-16-01

EXHIBIT - 14.

LOAM MEASUREMENTS - CONSTRUCTION BOOK ⑥

EXHIBIT - 15

[illegible]

VMC 6-5-01

MS 12-5-00

RAMP CR-2

DRAINAGE BOOK

(5)

CB 19 to 2+183, 11.0 m R+

300mm x 11.0m OPT. III

INLET (CB 19) 11.259

OUTLET 10.829

8-29-00

Contractor excavated & installed 300mm N.C.P. as per their line & grade. Contractor installed pipe as per plan & spec back filling with native material. Contractor installed 4-2.138 pieces and 1-1.20 piece for total length of 11m. Contractor installed NO Pipe cage or fabric at this time.

Pay 11m³ Item # 603.159

Parasack

11-22-00

Contractor Excavated and Installed Plain Pipe Rags at end of 300mm R.C.P.

Pay Item # 612.08

23.8m x 33. x 457 = Pay 35.89m³

KMS 1-16-01

11-22-00

Contractor Excavated and installed Expansion Control Fabric under the plain Pipe Rags installed at end of 300mm R.C.P.

Pay Item 600.58

23.8m x 3.3m = 78.54 m² pay

KMS 1-16-01

5-17-01

Contractor excavated and installed Expansion Control Fabric under plain Pipe Rags at end of R.C.P. Fabric was installed 2.14 x 1.7 x 6.3 x 457 = 50.902 m³ R.C.P.

2.14 x 1.7 x 6.3 = 12.915 m³ R.C.P.

KMS 1-16-01

KMS 5-31-01

EXHIBIT - 16

Inspector's Daily Report

06-12-2001 1:25 PM

Maine Department of Transportation

FieldManager 3.1d

Contract: 009439.00, KOSSUTH TWP - TOPSFIELD

IDR Date 06-07-2001	Day of Week Thursday	Sequence No. 1	Import Date 06-12-2001	Project / Resident Engineer Robbin E. Lanpher
Inspector's Initials-Name CWD Charles W Davis			Federal Project Number STP-9439(00)X	
Prime Contractor THE LANE CONSTRUCTION CORPORATION				
Entered By CWD, Charles W Davis		Revised By	Revision Date	Revision No.
Temperatures Low: 16 ° C High: 26 ° C		Weather Sunny		
Comments Refer to Construction Book #1, page 13 for details.				

Contractor/Subcontractor

Contractor/Subcontractor's Name	Personnel	No.	Hrs.	Equipment	No.	Hrs.
EMERY LEE & SONS, INC.	Excavator Operators	2		Front End Loader	1	
	Laborers	2		Jumping Jacks	2	
	Loader/Backhoe	1		Loader/Backhoe	1	
	Operator			Pickups	4	
	Roller Operator	1		Power Broom	1	
	Safety Officer	1		Roller	1	
	Truck Drivers	2		Rubber Tire Excavator	2	
				Trailer	1	
				Trucks	2	
				Pickups	3	
THE LANE CONSTRUCTION CORPORATION	Laborer	1				
	Superintendant	1				
	Traffic Officer	1				

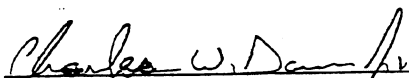
Item Postings

Project: 009439.00, KOSSUTH

Category: 0001, HIGHWAY ITEMS

Item/Material Description	Item Code	Prop.Ln.	Location	Quantity	Unit	Brkdwn	ID	Attn
450 MM CULVERT PIPE OPTION III	603.179	0170	Sta 12+428 Crosspipe	15.200	M			
Item Remarks: 15.2M of 450mm Opt III pipe installed in same bed as existing pipe as measured in the field by CWD and noted in Construction Book #1, page 13.								
450 MM CULVERT PIPE OPTION III	603.179	0170	Sta 12+578 Crosspipe	16.000	M			
Item Remarks: 16M of 450mm Opt III pipe installed in same bed as existing pipe as measured in the field by CWD and noted in Construction Book #1, page 13.								

Reviewed By:


 (Signature)


 (Date)

Inspector's Daily Report

Maine Department of Transportation

06-12-2001 1:24 PM

FieldManager 3.1d

Contract: 009439.00, KOSSUTH TWP - TOPSFIELD

IDR Date 06-07-2001	Day of Week Thursday	Sequence No. 1	Import Date 06-12-2001	Project / Resident Engineer Robbin E. Lanpher
Inspector's Initials-Name EDF Ethan D Field			Federal Project Number STP-9439(00)X	
Prime Contractor THE LANE CONSTRUCTION CORPORATION				
Entered By EDF, Ethan D Field		Revised By	Revision Date	Revision No.
Temperatures Low: °C High: °C		Weather See CWD IDR for weather and temperatures		
Comments Refer to Construction Book #3, page 3 for details				

Item Postings

Project: 009439.00, KOSSUTH

Category: 0001, HIGHWAY ITEMS

SEE IDR 06/03/2001 REL FOR CORRECTION

Item/Material Description	Item Code	Prop.Ln.	Location	Quantity	Unit	Brkdwn	ID	Attn
600 MM CULVERT PIPE OPTION III	603.199	0210	Sta 17+033 Crosspipe, Right	1.200	M			

Item Remarks: 1.2M of 600mm Opt III pipe added to existing pipe in ground as field measured by EF.

Reviewed By: Ethan D. Field
(Signature)

6/13/01
(Date)

(b2)

3+120	11.557	<p>ARFA Chord + Found Acceptable with 3/8" Tolerance Full with including Shoulder Parasman 8-25-00</p>	11.803
3+110	12.050		12.297
3+100	12.541		12.790
3+090			
3+080			
3+070			
3+060	13.037		

STATE OF MAINE DEPARTMENT OF TRANSPORTATION CONSTRUCTION DIVISION MINIMUM TESTING REQUIREMENTS

Project No.: STP-8701(00)X Date: 06/24/1998 Resident Engineer (2)
 Plan No.: 8701.00 Length: 3.7 km Construction-Bangor (3)
 Town: Portland File (1)
 Note: Located on Riverside St. from approximately 0.12 km north of Forest Ave. extending north to Washington Ave

1" = 25.4 mm
 1" = 3048 meter (m) or (300mm)
 1 sq = 0.836 127 m²
 1 cu = 0.764 555 m³
 1 lb. = 0.453 592 kg
 1 ton = 0.907 Mg
 1 gal. = 3.785 41 L

Item No.	Description	Quantity	Unit	Tests	Notes
304	Embankments (bridge approaches and structural plate pipes & box culverts)		m	2,805	Total Depth in meter of Granular Backfill abutting each structure
				10	Compaction (one every other layer each side of structures)
	Granular Borrow	245	m³	1	Gradation 1/3, 800 m³
	Aggregate Subbase-Gravel	321000	m³	11	Gradation 1/2, 800 m³
	Total length in meter of A.S.G. (lower)	2374	m	8	Comp. (lower) 1/600 m
	Total length in meter of A.S.G. (upper)	2374	m	8	Comp. (upper) 1/600 m
					Degradation (one / source / project)
					If initial value is > 24 test at rate of 1/7 650 m³
					initial value < 25, test at rate of 1/3 800 m³
403	Hot Bituminous Pavement				Job Mix Formula per mile
					METHOD "A"
	403.207 "19.0 mm"	5210	Mg	4	Gradation 1/1 500 Mg sublot
				4	Asphalt Cont. 1/1 500 Mg sublot
				4	Air Voids Analysis 1/1 500 Mg sublot
				11	Core Densities 1/500 Mg sublot
					METHOD "A"
	403.208 "12.5 mm"	2785	Mg	3	Gradation 1/1 500 Mg sublot or minimum of 3 per lot
				3	Asphalt Cont. 1/1 500 Mg sublot or minimum of 3 per lot
				3	Air Voids Analysis 1/1 500 Mg sublot or minimum of 3 per lot
				12	Nuclear Tests 1/250 Mg sublot
					Gradations
				2	Asphalt Contents
				2	Air Voids at Nd
				2	VMA at Nd
				2	VFA at Nd
				0	Core Densities
					METHOD "B"
					Total # of Small Quantity Mixes w/density
					Total # of Small Quantity Mixes w/o dens
					Les/Mikes:
					403.211
					403.208

Item No.	Description	Quantity	Unit	Tests	Notes
409	Bituminous Tack Coat Applied	2340	L	1	Loading Invoice with each shipment of material from supplier
411	Crushed Stone Surface		mg	1	Gradation 1/400 m³ See Special Provision
509	Structural Plate Pipe Arch & Arches		l.s.	1	Certification
603	Culvert Pipe (add all items)		m	1	Certification (100% covered pipe)
604	Catch Basins & Manholes (add all items)		each	1	Certification (precast, Type F, B, A)
605	Underdrain, Type "B"	2308	m	8	Gradation (granular) / 300 m
605	Underdrain, Type "C"	1492	m	3	Gradation (stone) / 600 m
606	Guard Rail (add all items)	215.00	m	1	Certification (beams, posts, brackets, & hardware)
618	Delinicator Post	7	each	1	Certification
618	Terminal End	7	each	1	Certification
618	Single Wood Post	28	each	1	Certification
618	Seeding	132	unit	1	Certification & Small Sample to Central Lab (Martha Hwy)
618	Mulch	240	unit	1	Certification
620	Geotextile	1385	m²	1	Manufacturers product sheet for each type of geotextile or on approved test
621	Planting Trees (add all items)	214	each	1	Inspection Statement (from Landscape Section)
627	Pavement Markings	9430	m	1	Certification
627		80	m²	1	Certification
658	Acrylic Latex, Green		m³	1	Certification
658	Special Provision "Buy America Clause"				Certified Statement On Contractor's Letterhead

Note: If a concrete or hot top plant is producing material for more than one job during a given time frame, the test results for one job may be considered common to all jobs involved within that time frame.

RESIDENT: _____
 DATE: _____
 REVIEWED BY: _____



PROJ. NO. _____

 TOWN/BRIDGE: _____

REVIEW GUIDELINES FOR OVERLAY PROJECTS

PROJECT DIARY

Daily entries showing working hrs, crew, equipment, weather, contractor and state personnel
 Time charge report
 MTCD and maint of Erosion Control items, weekly notes:
 Description of work done by item
 Other entries relating to contacts, claims and other potential problems

FINAL QUANTITY BOOK

Book set up same as progress estimates
 Extra work entered, agreed unit prices and ref to Proj Diary or written documentation
 Plan quantity per RWO references documentation (*check engineers est*)
 Force Account Blue Book rates, receipted bill mat'l + 15%, specialty 15%
 Quantities checked, signed, and references construction books
 Billings quantities: DOT to City, maintenance or utilities
 QC/QA incentive/disincentive calculated

GENERAL DOCUMENTATION REQUIREMENTS

Item by unit, field measurements, sta to sta, limits, signed, checked
 item by LS, ref to record of work done, inspection and acceptance, in Pro diary, FQB
 Item force account, documented by DREWS, receipted bills for specialty work and mat'l
 CO's, EWO's and RWO:
 Participating _____ non-Participating _____
 Approval by Design and/or Supervisor if required
 Copy to FHWA on projects with Federal Oversight

PAVEMENT ITEMS

Delivery slips and Cover slips totals signed, dated and entered in FBQ
 Tack coat delivery invoices, refer to Certification of Analysis
 Daily reports of Extra Work
 Flaggers certified
 QC/QA test file

DRAINAGE

Drainage diary notes and layout notes, sta to sta & offsets
 Ledge removal measured

MISCELLANEOUS ITEMS

Wage Rates checked
 Waste area Authorizations
 Contractor E-vals
 ROW Encroachment letter
 QC/QA for any fill and base material
 Hourly equipment rental items entered on DREWS

NOTES:

RESIDENT: _____
 DATE: _____
 REVIEWED BY: _____



PROJ. NO. _____
 TOWN/BRIDGE: _____

REVIEW GUIDELINES FOR FULL CONSTRUCTION PROJECTS

PROJECT DIARY

Daily entries showing working hrs, crew, equipment, weather, contractor and state personnel
 Time charge report
 MTCD and maint of Erosion Control items, weekly notes:
 Description of work done by item
 Other entries relating to contacts, claims and other potential problems

FINAL QUANTITY BOOK

Book set up same as progress estimates
 Extra work entered, agreed unit prices and ref to Proj Diary or written documentation
 Plan quantity per RWO references documentation (*check engineers est*)
 Force Account Blue Book rates, receipted bill mat'l + 15%, specialty 15%
 Quantities checked, signed, and references construction books
 Billings quantities: DOT to City, maintenance or utilities
 QC/QA incentive/disincentive calculated

GENERAL DOCUMENTATION REQUIREMENTS

Item by unit, field measurements, sta to sta, limits, signed, checked
 item by LS, ref to record of work done, inspection and acceptance, in Pro diary, FQB
 Item force account, documented by DREWS, receipted bills for specialty work and mat'l
 CO's, EWO's and RWO:
 Participating _____ non-Participating _____
 Approval by Design and/or Supervisor if required
 Copy to FHWA on projects with Federal Oversight

EXCAVATION AND BORROW

Source and Final placement noted in Project Diary (Pit author and waste areas)
 Checks on-subgrade, finegrade, ditch and backslopes
 Field changes documented by measurements

AGGREGATE BASE AND SUBBASE

Finegrade checks, field measurements of drives and other changes
 QC/QA gradation and compaction

DRAINAGE

Drainage diary notes and layout notes, sta to sta & offsets
 Ledge removal measured

PAVEMENT ITEMS

Delivery, Cover and Tack slips totals signed, dated and entered in FQB (certificate of analysis)
 QC/QA test file

MISCELLANEOUS

Flaggers certified
 Wage Rates checked
 Waste area Authorizations
 Contractor E-vals
 ROW Encroachment letter
 Hourly equipment rental items entered on DREWS

NOTES

RESIDENT: _____
 DATE: _____
 REVIEWED BY: _____



PROJ. NO. _____

 TOWN/BRIDGE: _____

REVIEW GUIDELINES FOR BRIDGE PROJECTS

PROJECT DIARY

Daily entries showing working hrs, crew, equipment, weather, contractor and state personnel _____
 Time charge report and ROW encroachment letter _____
 MTCD and maint of Erosion Control items, weekly notes: _____
 Description of work done by item _____
 Other entries relating to contacts, claims and other potential problems _____

FINAL QUANTITY BOOK

Book set up same as progress estimates _____
 Extra work entered, agreed unit prices and ref to Proj Diary or written documentation _____
 Plan quantity per RWO references documentation (*check with Engineers est.*) _____
 Force Account Blue Book rates, receipted bill mat'l + 15%, specialty 15% _____
 Quantities checked, signed, and references construction books _____
 Billings quantites: DOT to City, maintenance or utilities _____
 QC/QA incentive/disincentive calculated _____

GENERAL DOCUMENTATION REQUIREMENTS

Item by unit, field measurements, sta to sta, limits, signed, checked _____
 item by LS, ref to record of work done, inspection and acceptance, in Proj diary, FQB _____
 Item force account, documented by DREWS, receipted bills for specialty work and mat'l _____
 CO's, EWO's and RWO: _____
 Participating _____ non-Participating _____
 Approval by Design and/or Supervisor if required _____
 Copy to FHWA on projects with Federal Oversight _____

BRIDGE ITEMS

Pile reports, layouts, record piles _____
 Forms and re-steel checks, summary sheets, elev requirements _____
 Structural steel, inspection and acceptance, torque checks, calibrations, rotational capacity _____
 shear connectors, bent test and weld inspection _____
 Painting , coat thickness: _____
 Waste containment and disposal facilities: _____

BRIDGE APPROACH WORK

Roadway excavation, waste site, grade checks _____
 Base mat'l, source, QC/QA, finegrading _____

DRAINAGE

Drainage diary notes and layout notes, sta to sta & offsets _____
 Ledge removal measured _____

PAVEMENT ITEMS

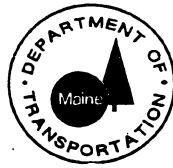
Delivery, Cover and Tack slips totals signed, dated and entered in FBQ (*certificate of analysis*) _____
 Flaggers certified _____
 QC/QA test file _____

MISC:

Wage rates checked _____
 Contractor E-vals, Waste Area authorization _____

NOTES

RESIDENT _____
DATE: _____



PROJ. NO. _____
TOWN/BRIDGE: _____

ONSITE REVIEW

LABOR COMPLIANCE

Wage Rate Posters & Presentation of Wage-Hour Outline & EEO Outline
To Prime and Sub noted in Diary.

Labor Interviews

Supplemental Rates.

Dates

FIELD BOOKS

Signatures, weather, working day number, contract hours, personnel,
Equipment, State Personnel, survey notes identified, crew members names
& duties

Dates

CLEARING

Measuring referenced to source ____
 Inspection of limits after work done.

Dates

EXCAVATION

Source and final placement noted in diary _____
 Embankment core staked out, waste storage areas designated.
 Flattened slopes noted in diary. _____
 Design changes in backslopes. _____
 Documentation of excavation limits in rock backslopes and ditches
 Grubbing, undercuts, muck excavation, measured, documented _____

Dates

BORROW

Dates

Source and final placement noted in diary.			
Flattened slopes explained in diary			
Placement of borrow beyond embankment core explained in diary			
Pit rehabilitation.			
Location of pit described, layout shown			
Final cross-section or statement of inspection plus 500' check section			

STRUCTURAL EXCAVATION AND DRAINAGE

Dates

Culverts: drainage installation notes regarding backfill, line and grade			
Bedding, width and depth measurement for undercut			
Length of pipe measured or documented.			
Catch Basins: diameter of hole measured for undercut			
Multiplate: depth of bedding, width of excavation, disposition of over-			
Excavation if a borrow job			
Abutments, piers: width of excavation			
Compensation for overexcavation if a borrow job			

GRAVEL BASE SUBBASE

Dates

Gravel checks, top of gravel checks for mainline, side roads			
--	--	--	--

BITUMINOUS PAVEMENT

Dates

Delivery slips signed, dated legible seal			
Daily totals reconciled with Contractor			
Slips properly labeled as to pay items			
Morning and afternoon tare weights			
Check weighing, manual plant			
Automatic plant			

BITUMINOUS LIQUIDS

Dates

Tack content verified			
Delivery slips signed by Contractor			

LOAM AND SEED

Dates

Loam depth checks			
Quantities of lime, seed, fertilizer noted			
Authorization of loam and seed beyond design limits and other areas			
Placement of mulch binder noted			

DAILY RENTAL ITEMS

Dates

Daily reports of extra work signed by State Contractor			
Bills for traffic officer time			
Flagger reports			
Flagger certification			

CHANGE ORDERS AND EXTRA WORK ORDERS

Dates

Approval			
Work noted in the records			

PROGRESS ESTIMATES

Dates

Payments kept current with work done in fields			
Quantities paid backed up with computations, field measurements			
Participating and non-participating			

DELIVERY SLIPS

Dates

Signed, dated, source of material, sectioned pit or unsectioned, use			
Daily totals recorded.			

REIMBURSABLE UTILITY AGREEMENTS

Dates

Copy of agreement in files			
Periodic reports submitted by utilities			
Inspector's daily diary entries to verify utility work on project			
Agreement between utility and subcontractor, reports			

ON THE JOB TRAINING

Daily presence and activities noted in diary _____
Initial interview and monthly interview _____
Weekly reports from Contractor _____
Final disposition noted _____

Dates

MULTIPLATES PIPES

Notes relative to bedding _____
Erection, torque checks _____

Dates

FOUNDATION PILES

Pile driving reports _____
Layout sketch _____
Record piles _____
Proper signatures _____
Grubbing measured _____

Dates

STRUCTURAL CONCRETE

Form checks for abutments, piers superstructure _____
Dry run for deck concrete _____
Yield concrete, slips complete, top elevation documented _____
Grubbing under foundation _____

Dates

REINFORCING STEEL

Fabrication and delivery, delivery invoices, inspection upon delivery _____
Placed, inspection of placement _____

Dates

STRUCTURAL STEEL

Fabrication and delivery, delivery invoices, inspection upon delivery _____
Erected, inspection of erection, torque checks, splice inspection chart _____

Dates

SPECIAL DETOUR

Acceptance and maintenance noted
Excavation used or wasted, paid

Dates

COFFERDAM

Acceptance and maintenance noted
Excavation used or wasted, paid

Dates

STONE FILL, RIP RAP

Depth verified, area measurement

Dates

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LUMP SUM ITEMS

Inspection and acceptance

Dates

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MAINTENANCE OF TRAFFIC

--	--	--

Dates

TRAFFIC OFFICERS

--	--	--

Dates

ASPHALT ESCALATOR CLAUSE

--	--	--

REVIEWERS' NAME: _____ DATE: _____


REVIEWERS' NAME: _____ DATE: _____

REVIEWERS' NAME: _____ DATE: _____

Maine Department of Transportation - Construction Division Time Charge Report

Project No.: STP-9056/9139/9140/9173 (00)X Town / City Presque Isle/Ft. Fairfield/Presque Isle/Ashland T11R4

Contractor: Lane Construction Corp.

Calculated By: C. Dodge Sr. Checked By: 

Day Basis			Completion Date Basis	
Time Charge Started _____			Required Completion Date 15, Sept. 01	
Time Charge Suspended _____				
Time Charge Resumed _____			Actual Completion Date 15, Sept. 01	
Time Charge Suspended _____				
Time Charged Resumed _____			Days Beyond Completion Date 0	
Time Charge Stopped _____				
(1) Time Elapsed		Days	Days Added by EWOs 0	
(2) Days Deductible (pg.2)		Days		
(3) Days Used (1-2)	0	Days	Contract Signed, Date _____	
(4) Days in Contract		Days		
(5) Days Added by EWOs		Days		
(6) Adjusted Contract Time (4+5)	0	Days		

EWO #	DAYS	EWO #	DAYS	EWO #	DAYS
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Remarks:

*****DO NOT WRITE BELOW THIS LINE*****TO BE COMPLETED BY AUGUSTA OFFICE*****

(7) Time Extensions (g+h)		Days
g. D.O.T. Approval	Date:	Days
h. Other (explain)	Date:	Days
(8) Underrun		Days
(9) Overrun		Days
(10) Liquidated Damages \$ per day = \$		
Use a separate report for each type of time charge		
Signed: _____		

EXHIBIT 26

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION BUILDING

STATE HOUSE STATION 16

AUGUSTA, MAINE 04333-0016

mdot

JOHN G. MELROSE
Commissioner

ADDRESS REPLY TO:

DIVISION #6 OFFICE, TEL. (207) 883-5546
BOX 1940, PORTLAND, MAINE 04104-1940
PLEASANT HILL ROAD, SCARBOROUGH, MAINE

PROJECT 009390.00 - HOLLIS

ENGINEER'S STATEMENT OF RIGHT OF WAY ENCROACHMENTS

The above project was inspected on February 19, 2002 and appears to be free of Right of Way Encroachment's except for the following:

1. Sta. 18+590 LT. Fried Chicken sign on post.
2. Sta. 16+200 LT. Granite mailbox post (dfo?)

Signed Craig Hurd

Craig Hurd
Construction Manager

MAINE DEPARTMENT OF TRANSPORTATION

CONTRACTOR'S PERFORMANCE

RATING

CATEGORIES AND ITEMS	EXCELLENT	ABOVE STANDARD	STANDARD	BELOW STANDARD	INADEQUATE	REFERENCE
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QUALITY OF WORK

1. Contractor Quality Control						
2. Workmanship						
3. Compliance with Contract Requirements						
4. Adequacy of Personnel						
5. Contractor Engineering and Survey Layout						

COOPERATION

1. Partnering (Team Building)						
2. Attitude (Cooperation)						

PROSECUTION & PROGRESS

1. Adherence to Progress Schedule						
2. Compliance with Environmental Regulations						
3. Compliance with Traffic Regulations						
4. Compliance with Safety Regulations						
5. Adequacy of Equipment						

IMPLEMENTATION OF FEDERAL, STATE AND LOCAL POLICIES, PROCEDURES AND REGULATIONS

1. Compliance with Labor Standards and EEO Requirements						
2. Compliance with DBE Requirements						
3. Compliance with OJT Requirements						

PROCEDURAL/ADMINISTRATIVE

1. Adequacy of Supervision						
2. Adequacy of Subcontractor Management						
3. Adequacy of Processing Paperwork						

Maine Department of Transportation Contractor's Performance Rating

The computer program for contractor evaluation will provide numerical analysis and rating of
CHECK APPROPRIATE ITEMS. DO NOT SCORE ITEMS WHICH DO NOT APPLY

The preliminary report shall be completed by the Resident Engineer, discussed with the Superintendent and Project Manager at a project closeout meeting and forwarded to the Construction Engineer/Program Manager. The Resident Engineer shall assure that the rating reflects the contractor's performance demonstrated by the Contractor on the contract indicated. Below Standard or Inadequate performance shall be sufficiently documented in the project records and *SO NOTED ON THIS FORM*. The Resident Engineer shall complete the review of the Preliminary Contractor's Performance Rating no later than ten (10) calendar days after the rating period ends. Contained in each category listed are items, (1, 2, 3, etc.) that reflect areas of performance the Contractor demonstrated in completing the terms and conditions of the contract. The Resident Engineer using the *RATING DESCRIPTIONS ATTACHED* shall rate items. Rate each item on its own and for this contract only without any averaging of one item against another or any tempering up or down because performance on some other contract. The Resident Engineer should use those personnel that actively participated in the inspection of the work and/or the administration of the contract to assist in rating the Contractor's performance.

Date:			PIN:		
Contractor:					
Address:					
Town:		Prime:		Sub:	
Project Type			Resident Engineer:		
<input type="checkbox"/> Bridge Construction			Project Manager:		
<input type="checkbox"/> Highway Construction			Project Start Date:		
<input type="checkbox"/> Paving			Project Completion Date:		
<input type="checkbox"/> Marine Construction			Contract Amount \$		
<input type="checkbox"/> Buildings			Subcontract Amount\$		
<input type="checkbox"/> Traffic Signals and/or Lighting			Type of Report <input type="checkbox"/> Annual <input type="checkbox"/> Interim <input type="checkbox"/> Final Type:		
Quality of Work	Cooperation	Prosecution & Progress	Policies, Procedures & Regulations	Procedural & Administrative	Total Score

Signatures

MDOT Resident Engineer

Contractor's Superintendent

MDOT Construction Engineer/
Program Manager

Administrator / Project Manager

CONTRACTOR PERFORMANCE RATING

1. QUALITY OF WORK – 40%

- A. Contractor Quality Control – 20 points possible
- B. Workmanship – 25
- C. Compliance with Contract Requirements – 25
- D. Adequacy of personnel – 20
- E. Contractor Engineering and Survey layout – 10

2. COOPERATION – 10%

- A. Partnering (team building) – 50
 - B. Attitude (cooperation) – 50
-

3. PROSECUTION – 25%

- A. Adherence to Progress Schedule - 30
- B. Compliance with Environmental Regulations – 25
- C. Compliance with Traffic Regulations – 20
- D. Compliance with Safety Regulations – 15
- E. Adequacy of Equipment – 10

4. IMPLEMENTATION OF FEDERAL, STATE AND LOCAL REGULATIONS – 5%

- A. Compliance with Labor Standards and EEO – 40
- B. Compliance with DBE – 30
- C. Compliance with OJT – 30 (if no OJT required add 15 pts each to a. and b.)

5. PROCEDURAL / ADMINISTRATIVE – 20%

- A. Adequacy of Supervision – 45
- B. Adequacy of Subcontractor Management – 45
- C. Adequacy of Processing Paperwork – 10

MAINE DEPARTMENT OF TRANSPORTATION

CONTRACTOR'S PERFORMANCE

RATING

CATEGORIES AND ITEMS	EXCELLENT	ABOVE STANDARD	STANDARD	BELOW STANDARD	INADEQUATE	REFERENCE
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QUALITY OF WORK

1. Contractor Quality Control	20	17	13	7	4	X40%
2. Workmanship	25	21	17	8	4	
3. Compliance with Contract Requirements	25	21	17	8	4	
4. Adequacy of Personnel	20	17	13	7	4	
5. Contractor Engineering and Survey Layout	10	8	7	4	1	

COOPERATION

1. Partnering (Team Building)	50	42	33.5	17	8.5	X10%
2. Attitude (Cooperation)	50	42	33.5	17	8.5	

PROSECUTION & PROGRESS

1. Adherence to Progress Schedule	30	25	20	10	5	X25%
2. Compliance with Environmental Regulations	30	25	20	10	5	
3. Compliance with Traffic Regulations	15	13	10	5	3	
4. Compliance with Safety Regulations	15	13	10	5	3	
5. Adequacy of Equipment	10	8	7	4	1	

IMPLEMENTATION OF FEDERAL, STATE AND LOCAL POLICIES, PROCEDURES AND REGULATIONS

1. Compliance with Labor Standards and EEO Requirements	40	34	27	14	7	X5%
2. Compliance with DBE Requirements	30	25	20	10	7	
3. Compliance with OJT Requirements	30	25	20	10	1	

PROCEDURAL/ADMINISTRATIVE

1. Adequacy of Supervision	45	38	30	15	8	X20%
2. Adequacy of Subcontractor Management	45	38	30	15	8	
3. Adequacy of Processing Paperwork	10	8	7	4	1	
MAX SCORE	100	84	67	34	17	

IMPLEMENTATION OF FEDERAL, STATE, AND LOCAL POLICIES, PROCEDURES AND REGULATIONS

1. **Compliance with Labor Standards and EEO requirements.** When rating this category, consider how well the Contractor met EEO hiring goals, displayed company EEO policy statement, corrected wage violations, furnished certified payrolls.

- Superior - Always in compliance with current labor standards and EEO requirements. Requested wage rate determination(s) if none exists for classification. Promptly submitted certified payrolls for themselves and their subcontractors.
- Standard - Normally in compliance with current labor standards and EEO requirements. Upon notification by the Department of noncompliance, the Contractor immediately requested wage rate determinations, corrected wage violations, submitted delinquent certified payrolls and/or any other insubordination.
- Inadequate - Noncompliance with labor standards and/or EEO requirements not met. Unresolved wage rate classifications. Delinquent payrolls not submitted after several notifications by the Department. Contractor did not demonstrate effort to follow standards and/or satisfy requirements.

2. **Compliance with DBE Requirements.** When rating this category, consider how well the Contractor met DBE requirements.

- Superior - DBE percentage exceeded contract requirements.
- Standard - DBE percentage usually met contract requirements. If not, Contractor demonstrated "Good Faith Effort" to satisfy goal.
- Inadequate - DBE requirements not met. Contractor did not demonstrate "Good Faith Effort" to satisfy goal.

3. **Compliance with OJT Requirements.** When rating this category, consider how well the Contractor met on-the-job training requirements.

- Superior - OJT requirements exceeded.
- Standard - OJT requirements were usually met. If not, Contractor demonstrated a "Good Faith Effort" to fulfill training requirement.
- Inadequate - OJT requirements were not met. Contractor did not demonstrate a "Good Faith Effort" to fulfill training requirement.

PROCEDURAL/ ADMINISTRATIVE

1. **Adequacy of Supervision.** When rating this category, consider the overall impact the contractor's supervision had on the project. Consider not only the field supervision, but also the influence of the Contractor's management that did or did not get involved in the work.

- Superior - Recognition and resolution of problems were rapid and smooth. Oversight and coordination of work was excellent. Excellent knowledge of the contract requirements and the type of work that they were doing. Full authority at the project level. Less engineer's oversight on this project than on other similar MDOT projects.
- Standard - The Contractor provided supervision of the work at the site 100 percent of the time (or as required by the Engineer). The supervision provided sufficient oversight to keep the project moving smoothly and on schedule.
- Inadequate - There was a *documented* lack of supervision available when needed and/or a lack of sufficient authority, experience, or knowledge of the type of work and the contract requirements to make correct and appropriate decisions. The engineer spent more time than normal on this type of project to assure a quality product.

2. **Adequacy of Subcontractor Management.** When rating this category, consider the Contractor's ability to coordinate subcontractor work, maintain work schedule and assure contract compliance.

- Superior - Oversight and coordination of subcontractor work was excellent. Excellent knowledge of the contract requirements. Recognition and resolution of problems were rapid and smooth. Less engineer's oversight on this project than on other similar MDOT projects.
- Standard - The Contractor provided supervision of the work at the site 100 percent of the time (or as required by the Engineer). Monitored sub activities to ensure approved materials were supplied and incorporated into the project. The supervision provided sufficient oversight to keep the project moving smoothly and on schedule.
- Inadequate - There was a *documented* lack of supervision available when needed and/or a lack of sufficient authority, experience, or knowledge of the type of work and the contract requirements to make correct and appropriate decisions. The engineer spent more time than normal on this type of project to assure a quality product.

3. **Adequacy of Processing Paperwork.** When rating this category, consider the Contractor's timeliness and cooperation in submitting required paperwork such as submittals, schedules, additional licenses and permits, subcontractor requests, material certifications and test results.

- Superior - submitted all necessary paperwork as the project progressed. The engineer spent less time than on other similar projects because of the Contractor's timely submission of accurate paperwork.
- Standard - Submission of paperwork was satisfactory. The Contractor immediately addressed any paperwork deficiencies identified by the engineer.
- Inadequate - The Contractor showed a lack of cooperation with the Department by being delinquent in its paperwork. Constant vigilance on the part of the engineer was needed to assure that all required paperwork was submitted.

PROSECUTION AND PROGRESS

1. **Adherence to Progress Schedule.** When rating this category, consider both whether the Contractor completed the work on time and how well the contractor's work was scheduled. When the contractor's work is not scheduled well, the engineer cannot effectively and efficiently schedule MDOT activities. Although a project may be completed without liquidated damages, the adherence to the Progress Schedule may be less than satisfactory.

Note: The rating should reflect only things that were within the contractor's control.

- Superior - The Contractor had an excellent knowledge of what to anticipate with the type of work. Everything progressed very smoothly from one activity to the next and notified the Department, in advance, of personnel or schedule changes and shutdowns for adverse weather, holidays or other circumstances. Changes in the Progress Schedule were not related to circumstances that the contractor should have anticipated. The engineering costs were lower because MDOT activities could be scheduled more efficiently than normal. Any requests for extensions of time were backed up by written evidence that showed circumstances outside the control of the Contractor. Discounting delays that were not the fault of the Contractor, the project progressed on schedule and was completed on time or before.
- Standard - The project progressed smoothly from one activity to the next. Changes in the Project Schedule were satisfactory for the type of work. The engineer's ability to schedule MDOT activities was also satisfactory. Liquidated Damages were not imposed on the project.
- Inadequate - The Contractor did not control activities to assure they were completed according to the Progress Schedule. The project did not progress smoothly from one activity to the next. Delays occurred that were due to the Contractor not having complete control of activities. The engineer could not efficiently schedule our activities at the site because the Contractor's activities were not efficiently scheduled. Liquidated damages need not have been imposed for this rating.

2. **Compliance with Environmental Requirements.** When rating this category, consider how well the Contractor met the requirements of erosion control, site stabilization, wetland's regulations, control of hazardous materials, etc.

- Superior - Fully understood and complied with regulations and requirements set up in their Plans. No avoidable problems. Contractor was environmentally sensitive. At completion, project had been stabilized.
- Standard - Complied with regulations and Plan. Promptly responded to field directives. Few problems. The Contractor had sufficient knowledge of environmental requirements to keep the project progressing normally.
- Inadequate - Noncompliance with environmental requirements and/or Plan. Nonresponsive to field directives. Frequent problems and/or shutdowns.

3. **Compliance with Traffic Regulations.** When rating this category, consider whether the Contractor had a thorough knowledge of the traffic control required in the contract, and if the Contractor took the initiative to meet the contract requirements. Also, if MDOT made improvements in the traffic control, the Contractor cooperated with the engineer to make the necessary changes.

- Superior - The Contractor coordinated construction operations that directly affected the traveling public so as to minimize impact to the public by providing a smooth, maintained riding surface and minimal delays. The Contractor provided properly trained and fully equipped personnel for flagging traffic. Traffic control devices were in excellent condition, in proper position, clean and serviced regularly. The Contractor utilized appropriate and safe methods to switch, close or open lanes under live traffic. Intervention by the engineer to ensure that the Contractor met the traffic control requirements was less than on other projects with similar types of traffic control.
- Standard - The Contractor conformed to traffic control requirements of the contract and made sure traffic controls were maintained and working effectively. Traffic control devices were in good shape. The engineer's intervention to ensure that the Contractor met the traffic requirements was normal for this type of project. The engineer never issued notices of noncompliance or safety stop orders.
- Inadequate - Documentation shows that directives were issued to stop work in order to correct a noncompliance with traffic control requirements. When changes in traffic control were needed, the Contractor did not cooperate to implement them. Traffic control devices were in poor shape and the engineer had to frequently request that the Contractor replace the devices.

4. **Compliance with Safety Regulations.** When rating this category, consider how good the Contractor's overall safety practices were.

- Superior - The Contractor took the initiative to ensure the safety of employees and the traveling public, and maintained the work site in an organized and safe condition. Safety equipment and devices were in excellent

shape. The Contractor immediately carried out any requests by the engineer for changes in safety measures. OSHA issued no violations or citations.

- **Standard** - The Contractor had good safety practices, and maintained the work site in an organized and safe condition. Safety equipment and devices were in good shape. The Contractor immediately carried out any requests by MDOT for changes in safety measures. OSHA issued no violations or citations.
- **Inadequate** - *Documentation* shows that the Contractor's safety practices were unsatisfactory. This is shown by OSHA giving the Contractor citations, or violations with fines, and/or the engineer imposed stoppages of work for safety issues. The Contractor only reluctantly made changes requested by MDOT, or did not make the change.

5. Adequacy of Equipment. When rating this category, consider what impact the Contractor's equipment had on the project. The Contractor must have available the appropriate working equipment to keep the project running efficiently.

- **Superior** - The Contractor had enough equipment on the project to take advantage of opportunities to make the project move more quickly. The equipment was in excellent condition (ran well and required only normal maintenance).
- **Standard** - There was sufficient equipment that was in good condition to keep the project moving smoothly and on schedule. A normal amount of maintenance was needed and it was taken care of before the equipment was needed. No significant delays occurred due to equipment problems.
- **Inadequate** - *The documentation shows that a lack of appropriate equipment, and/or equipment that was in poor shape (may have caused damage to property, such as oil leaks), consistently caused significant delays.*

COOPERATION

1. Partnering (Team Building). When rating this category, consider the Contractor's contribution toward helping MDOT's personnel and their personnel working together as a team. Rate this category whether a formal partnering session was done on the project or not.

- **Superior** - Verbal and written communications were excellent. Necessary modifications to the contract were handled promptly at the project level and in a cooperative manner. Informed the Department project personnel in advance of scheduled day-to-day items of work. It required very little effort when working with the Contractor to resolve any deviation from schedule or cost, or to implement changes.
- **Standard** - Verbal and written communications were good. Few modifications to the contract needed to be settled above the project level. The contractor worked cooperatively with the engineer to resolve any deviation from schedule or cost, or to implement changes.
- **Inadequate** - Communication and commitments were poor. *Documentation* shows which commitments were kept and which failed and why. The number of modifications that could not be settled at the project level was numerous. The Contractor provided very little cooperation when the engineer tried to resolve any deviation from schedule or cost, or to implement changes.

2. Attitude (Cooperation). When rating this category, consider how well the Contractor cooperated in the performance of construction activities and in correcting errors and deficiencies. Also, consider how well the Contractor cooperated and coordinated with other contractors, agencies, utilities, the public, etc.

- **Superior** - The Contractor seemed to go more than "half way" to help on the project by acting quickly to minimize problems, offering solutions to any problems occurring and providing additional forces, as appropriate. The Contractor had a positive and cooperative attitude in the performance of work which impacted utilities, local agencies, property owners, businesses, and other contractors on or adjacent to the project.
- **Standard** - The Contractor was always cooperative. Errors and deficiencies were easily corrected and activities went well. The Contractor worked with utility companies, property owners, businesses and other contractors to reduce construction impact before impact occurred to their properties.
- **Inadequate** - The Contractor only cooperated to correct an error or deficiency after the Department showed that lack of cooperation would delay the project, or result in lack of payment. The Contractor ignored the needs of property owners and businesses. Communication to solve problems was very difficult.

QUALITY OF WORK

1. **Contractor Quality Control.** When rating this category, consider the Contractor's ability to comply with quality control specifications. Consider whether the Contractor had a thorough knowledge of its Quality Control Plan(s), and if the Contractor took the initiative to meet the contract requirements. This item is for all projects, not just when the pay item(s) for QC/QA is in the contract.

- Superior - The Contractor's ability to control quality was far better than other Contractors doing similar types of work. The Contractor was in 100 percent compliance with the Plan(s). No deducts for deficient work. The engineer's input was less than on similar projects because of confidence in the Contractor's demonstrated knowledge and ability to meet QC requirements.
- Standard - The engineer was confident that the Contractor had full control over the quality of the work. Any assurance testing, when required, closely matched the records of contractor quality control testing. No deducts for deficient work. The Contractor immediately addressed any concerns found by the engineer. Communication flowed easily.
- Inadequate - The Contractor's quality control on the project was very poor. The engineer's oversight was greater than that required for a similar project. *Documentation* shows extensive letters and/or work orders required to maintain quality.

2. **Workmanship.** When rating this category, consider the quality of the work.

- Superior - The quality of the work was excellent. The work exceeded required tolerances and was produced efficiently. Actions needed to correct materials or workmanship not meeting the contract requirements were rare. Accepted work was protected from damage from continuing construction.
- Standard - The quality of work was satisfactory. The Contractor met the minimum tolerances, or work not meeting required tolerances was corrected. The engineer was satisfied with the quality of the finished product.
- Inadequate - *Documentation* shows the work only met required tolerances after the engineer intervened. The *documentation* also shows the Contractor's lack of concern for or the protection of quality work. Constant vigilance on the part of the engineer was needed to assure the final product was satisfactory. The engineer had to be involved in what the Contractor should have been doing.

3. **Compliance with Contract Requirements.** When rating this category, consider whether the contractor was thoroughly knowledgeable of the contract requirements (plans, standard specifications, Special Provisions, etc.) and took the initiative to be in compliance with them.

- Superior - The Contractor was in 100 percent compliance with the contract. Engineer's input was less than on similar projects because of confidence in the Contractor's demonstrated knowledge and ability to meet requirements.
- Standard - The Contractor was in 100 percent compliance with the contract. The Contractor was fully knowledgeable of all the contract requirements and how to comply with them. The Contractor needed a normal amount of input from the engineer.
- Inadequate - Knowledge of, or willingness to comply with, contract requirements was poor. When made aware of requirements not being met, the contractor took little action to meet them. The engineer needed to increase oversight compared to other contractors doing similar work to assure that contract requirements were met.

4. **Adequacy of Personnel.** When rating this category, consider what effect the contractor's personnel had on meeting the requirements of the contract. This category includes both the number of personnel and their skill level.

- Superior - The skill level and/or number of personnel exceeded the expectations of the engineer. Because of the excellent skills of the personnel, supervision from the contractor, and/or oversight by the Engineer, was less than expected for similar type of work.
- Standard - The Engineer was always confident that all work operations had contractor employees with thorough knowledge of the activity and with enough staff to do the work smoothly.
- Inadequate - There was a *documented* lack of personnel and/or skilled personnel to do the work required. When the engineer notified the Contractor of the lack of personnel and/or skill, they took insufficient action to remedy the problem.

5. **Contractor Engineering and Survey Layout.** When rating this category, consider the Contractor's ability to comply with contractor layout requirements.

- Superior - The Contractor's ability to provide accurate engineering and survey layout was far better than other contractors doing similar types of work. Less engineer's oversight on this project than on other similar MDOT projects.
- Standard - The Contractor provided accurate engineering and survey layout. Any assurance checks closely matched the records of the Contractor and plan requirements. Adequate survey station markers and grades were provided and maintained as necessary in the performance of work and/or inspection.
- Inadequate - The Contractor's engineering and layout on the project was very poor, based on mistakes made. The engineer's oversight was greater than that required for a similar project. QA checks were excessive in order to properly control quality. *Documentation* shows extensive letters, work orders, and/or corrections required to maintain quality.

Carlton Day Reed, Jr., Chairman
Jackson A. Parker, President

REED & REED, INC.
WOOLWICH, MAINE 04579
Tel.: (207) 443-9747
Fax: (207) 443-2792
E-MAIL: reed-reed@reed-reed.com



March 6, 2002

Mr. Floyd Luce
Contracts Engineer, MDOT
Augusta, ME

Re: Material Certification, Project STP-6758(01)X & STP6757(01)X Alton / Old Town.

Dear Floyd,

This is to certify that the below listed materials, which were incorporated into the above-designated project, comply with the pertinent specified material requirements of the contract. Processing, project testing and inspection control of raw materials is in conformity with the applicable drawings and/or standards of all articles furnished:

Bridge Railing & Hardware
Elastomeric Bearings
Membrane Waterproofing
Waterstop / Joint Sealant
Protective Coating
Pavement Markings
Reinforcing Steel
Foundation Pile
Seed
Culverts
Erosion Control Mesh
Gabions
Guardrail

Sincerely yours

Charles L. Guerette
Project Manager

EXHIBIT 29



Carlton Day Reed, Jr., Chairman
Jackson A. Parker, President

REED & REED, INC.
WOOLWICH, MAINE 04579
Tel.: (207) 443-9747
Fax: (207) 443-2792
E-MAIL: reed-reed@reed-reed.com

March 6, 2002


Mr. Floyd Luce
MDOT Contracts Engineer
Augusta, ME

Re: Buy America Statement, Project STP-6758(01)X & STP-6757(01)X

Dear Bruce,

This is to certify that products made of steel, iron or the application of any coating to products of these materials whose costs are in excess of \$2,500.00 or 1% of the original contract amount, whichever is greater, were manufactured in the United States, and coating, if one was required, was applied in the United States.

Sincerely yours


Charles L. Guerette
Project Manager



Carlton Day Reed, Jr., Chairman
Jackson A. Parker, President

REED & REED, INC.

WOOLWICH, MAINE 04579

Tel.: (207) 443-9747

Fax: (207) 443-2792

E-MAIL: reed-reed@reed-reed.com

March 6, 2002

Mr. Floyd Luce
MDOT Contracts Engineer
Augusta, ME


RE: Statement of all bills paid, Request for final payment. Project STP-6758(01)X & STP-6757(01)X Alton / Old Town.

Dear Floyd,

This is to advise you that all bills for labor and material have been paid and to certify that all laborers, mechanics, apprentices, trainees, watchmen and guard employed by us or any subcontractor performing work under this project have been paid wages at rates not less than those required by contract provisions and the work performed by each such laborer, mechanic, apprentice, or trainee conforms to the classification set forth in the contract or training program applicable to the wage rate paid.

Would you please process this project for final payment and/or release of pledged securities.
Thank you.

Very truly yours,


Charles L. Guerette
Project Manager

A11B:1/14



STATEMENT OF MATERIALS AND LABOR USED BY CONTRACTORS ON HIGHWAY CONSTRUCTION INVOLVING FEDERAL FUNDS

PART A To be completed by FHWA or State Highway Personnel (See instructions on reverse)

STATE*		COUNTY		FEDERAL PROJECT NO.*		URBAN () RURAL ()*	
ITEM	DESCRIPTION		ROADWAY		BRIDGE (Over 20 ft)		DATE STARTED*
CONSTRUCTION TYPE CODES							
1	LENGTH OF PROJECT		MILES			DATE COMPLETED*	
2	FINAL* CONSTRUCTION COST		DOL.			TOTAL NO. BRIDGES	

PART B To be completed by; contractor - see instructions on reverse (REMARKS Attach plain sheet of paper)

3	LABOR* TOTAL PROJECT		TOTAL LABOR-HOURS		GROSS EARNINGS		28 CLAY PIPE		
								SIZE (In.)	LGTH (Lin ft)
ITEM	DESCRIPTION		UNIT	PROJECT QUANTITY	CULVERT ITEMS				
4	TOTAL COST OF ALL MATERIALS AND SUPPLIES*		DOL.		26 CORR. STEEL CULVERT				
5	PETROLEUM PRODUCTS*		GAL.						
6			BBL.						
7	CEMENT		LB.						
8			TON.						
9	AGGREGATES PURCHASED		TON.				29 CORR. ALUMINUM CULVERT		
10			CU. YD.						
11	BITUMINOUS MATERIAL		GAL.						
12	LUMBER		THSD. BD. FT.						
13	REINFORCING STEEL		LB.						
14	STRUCTURAL STEEL		LB.		27 CONCRETE PIPE				
15	READY-MIXED CONCRETE		CU. YD.						
16	PREMIXED BITUMINOUS PAVING MATERIALS		TON.						
17	AGGREGATES PRODUCED		TON.				30 PLASTIC PIPE		
18			CU. YD.						
19	MISCELLANEOUS STEEL		LB.						
20	NOISE BARRIERS		LIN. FT.						
21	GUARDRAIL		LIN. FT.						
22	BRIDGE RAIL		LIN. FT.						
23	FINAL CONTRACT AMOUNT FOR SIGNS		DOL.						
24	FINAL CONTRACT AMT. FOR LIGHTING		DOL.						
25	FINAL CONTRACT AMT. FOR TRAFFIC SIGNALS		DOL.						

*MUST BE REPORTED ON ALL REPORTS				REVIEWED BY	DATE
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